AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows. This listing of claims will replace all prior listings.

- 1. (Original) A mold valve assembly for a molding system comprising:
 - a mold valve chamber comprising an output port, said mold valve chamber defining a first axis;
 - an injection chamber in communication with said mold valve chamber, said injection chamber defining a second axis transverse to said first axis;
 - an injection piston movable within said injection chamber, an end segment of said injection piston movable to define a portion of a mold valve chamber inner perimeter; and

an air injection system in communication with said mold valve chamber.

- 2. (Original) The mold valve assembly as recited in claim 1, wherein said air injection system comprises an air source in communication with an air inlet through said mold valve chamber.
- 3. (Currently Amended) The mold valve assembly as recited in claim 1, further comprising a mold valve piston movable within said mold valve chamber, said mold valve piston movable within said mold valve chamber, said mold valve piston comprises a non-metallic portion between a first metallic portion and a second metallic portion.
- 4. (Original) The mold valve assembly as recited in claim 3, wherein said mold valve piston is selectively movable to block an air inlet through said mold valve chamber.
- 5. (Original) The mold valve assembly as recited in claim 4, wherein said mold valve piston scrapes said end segment as said mold valve piston moves toward said output port.

- 6. (Currently Amended) A molding system comprising:
- a mold assembly which defines a mold cavity;
- a mold valve mix head assembly selectively mountable to said mold assembly said mold valve assembling including a mold valve chamber in communication with an injection chamber; and
- an air injection system in communication with said mold valve assembly to selectively inject air into said mold through said mold valve chamber of said mold valve assembly.
- 7. (Original) The molding system as recited in claim 6, further comprising a mix head assembly in communication with said mold valve assembly.
- 8. (Original) The molding system as recited in claim 7, further comprising a feed assembly in communication with said mix head assembly.
- 9. (Currently Amended) The molding system as recited in claim 6, wherein said mold valve assembly comprises:
 - [[a]] said mold valve chamber comprising an output port, said mold valve chamber defining a first axis;
 - [[an]] said injection chamber in communication with said mold valve chamber, said injection chamber defining a second axis transverse to said first axis; and
 - an injection piston movable within said injection chamber, an end segment of said injection piston movable to define a portion of a mold valve chamber inner perimeter.
- 10. (Currently Amended) The molding system as recited in claim 9, wherein said air injection system communicates with said mold valve chamber, in response to a position of a mold valve piston movable within said mold valve chamber.

- 11. (Withdrawn) A method for injecting matrix into a mold assembly through a mold valve assembly comprising an injection chamber and mold valve chamber, the method comprising the steps of:
- (a) injecting a mixture material into the mold assembly through the injection chamber and the mold valve chamber;
 - (b) driving the mixture material into the mold valve chamber with a first piston;
- (c) driving the mixture material from the mold valve chamber into the mold assembly with a second piston;
 - (d) curing the mixture material to form a cured article within the mold assembly;
 - (e) retracting the second position to an ejection position; and
- (f) injecting air through the mold valve chamber into the mold assembly between the cured article and the mold assembly.
- 12. (Withdrawn) A method as recited in claim 11, further comprising the step of: orienting an axis defined by the first piston transverse to a second axis defined by the second piston.
 - 13. (Withdrawn) A method as recited in claim 11, further comprising the step of: locating the second piston at an injection position prior to said step (a).
 - 14. (Withdrawn) A method as recited in claim 13, wherein said step (e) comprises: retracting the second piston past the injection position.
- 15. (Currently Amended) The molding system as recited in claim 1, wherein air is selectively injected into said mold cavity in response to a controller movement of mold valve piston within said mold valve chamber after a molded article has cured within a mold cavity

- 16. (Currently Amended) The molding system as recited in claim 6, further comprising a mold valve piston movable within said mold valve chamber, said mold valve piston movable within said mold valve chamber, said mold valve piston comprises a non-metallic portion between a first metallic portion and a second metallic portion, said non-metallic portion definition an interference fit within said mold valve chamber.
- 17. (Currently Amended) The molding system as recited in claim 6, wherein air is selectively injected into said mold cavity in response to a controller movement of mold valve piston within said mold valve chamber after a molded article has cured within the mold cavity